Missouri Statewide Health Information Exchange

Request for Information Webinar

11:00 am – 12:30 pm CT
March 31, 2010
Call-in #: 866-699-3239
Access Code: 935 014 609

Agenda - Overview

- MO-HITECH Introduction & Overview
- RFI Overview
- Question & Answer Session

Governor Nixon's Vision – Six Objectives

1. **Improve the quality of medical decision-making and the coordination of care;**
2. **Provide accountability in safeguarding the privacy and security of medical information;**
3. **Reduce preventable medical errors and avoid duplication of treatment;**
4. **Improve the public health;**
5. **Enhance the affordability and value of health care; and**
6. **Empower Missourians to take a more active role in their own health care.**

Thank you for partnering with the state in taking critical first steps in building a new framework for health information technology in Missouri

State HIE Cooperative Agreement Program

February 12, 2010

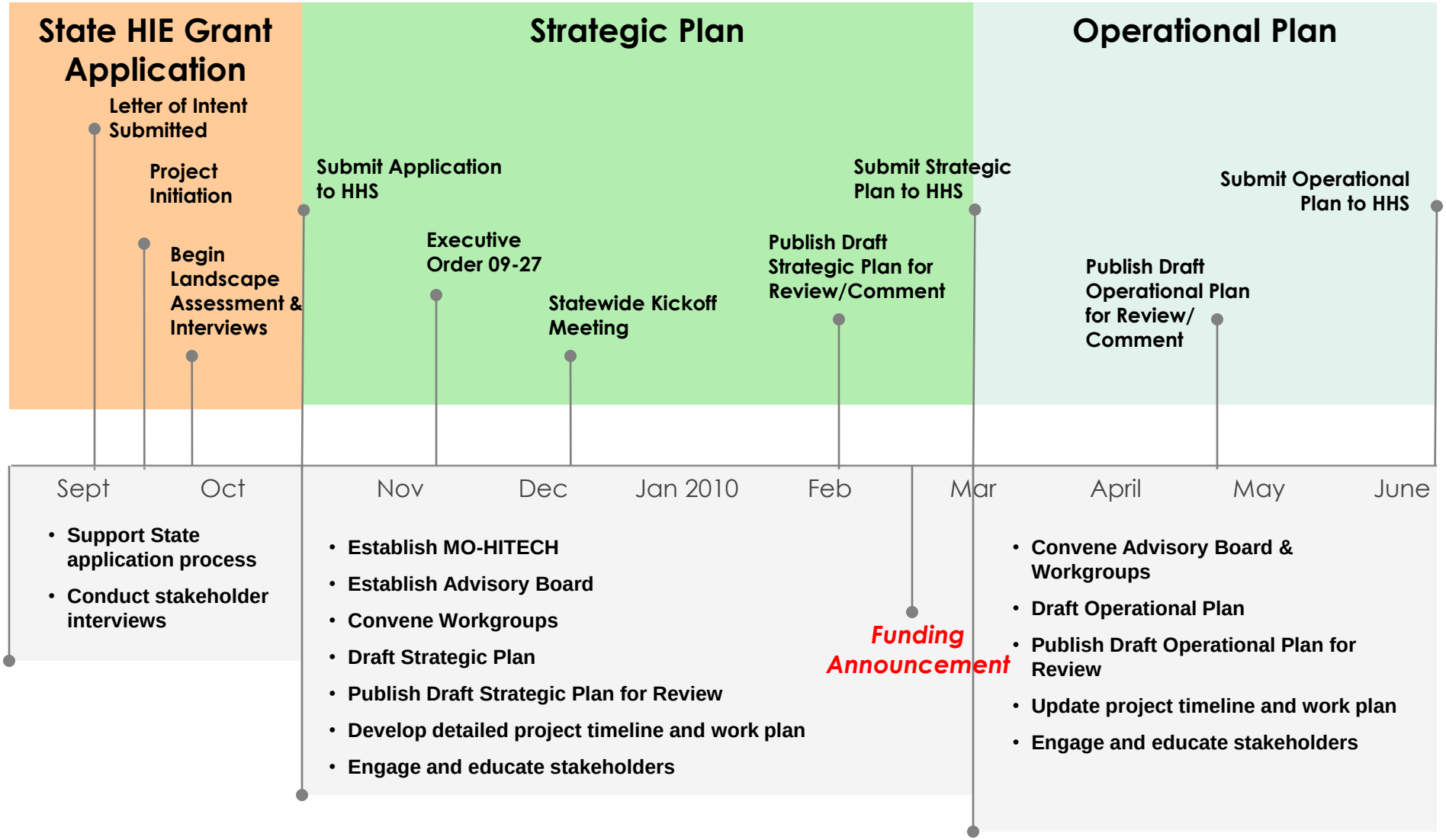
WASHINGTON, DC – *Sebelius, Solis Announce Nearly $1 Billion Recovery Act Investment in Advancing Use of Health IT, Training Workers for Health Jobs of the Future*

"Health information technology can make our health care system more efficient and improve the quality of care we all receive. These grant awards, the first of their kind, will help develop our electronic infrastructure and give doctors and other health care providers the support they need as they adopt this powerful technology."

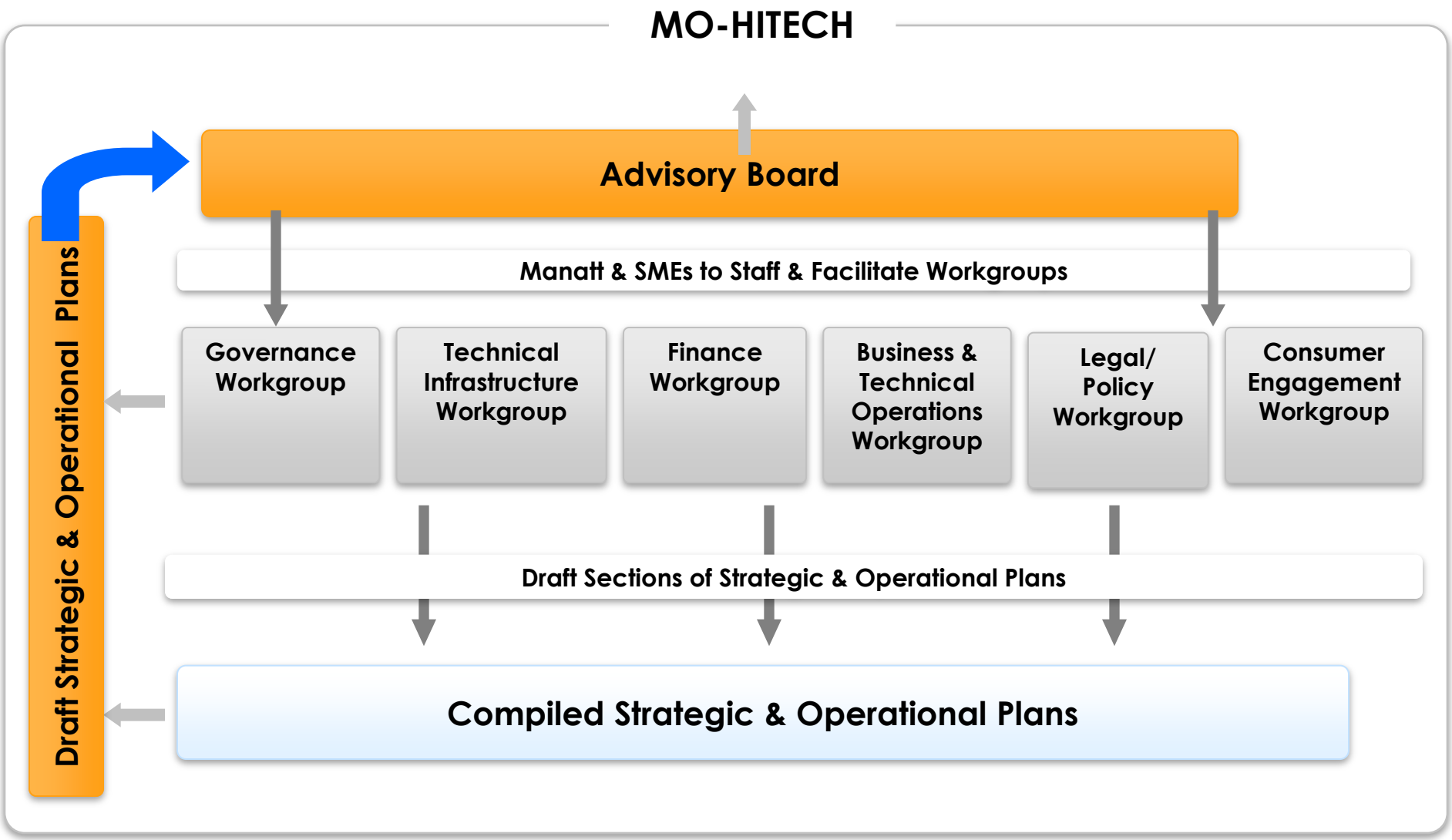
- Health and Human Services Secretary Kathleen Sebelius

Program	National	Missouri
State HIE	➢ $564 million ➢ State awards, ranging from $4 – 40 million	➢ Department of Social Services - $13,765,040

Project Tasks & Timeline through May 2010 – *Proposed Timeline Change*



MO-HITECH Framework



RFI Process & Timeline

Event	Target Date(s)
Release RFI	March 26th
RFI webinar for potential respondents	March 31st 11:00 am – 12:30 pm
Intent to respond due via email	April 2nd George.L.Oestreich@dss.mo.gov
Questions accepted *Answers to questions submitted by April 9th will be posted on the MO-HITECH website http://dss.mo.gov/hie/faq.shtml*	Through April 12th, 5:00 pm CDT Please send questions to George.L.Oestreich@dss.mo.gov
Responses due	April 16th, 8:00 am CDT George.L.Oestreich@dss.mo.gov
Review responses (MO-HITECH)	April 19 – April 30th
Report to Workgroup(s)	May 4th

The RFI is independent of any future RFP and will not affect a respondent's ability to respond or the evaluation of a future response

MAN HEALTH SOLUTIONS

Request for Information – Overview

- **Goals & Objectives**
  - Clinical functional service requirements
  - Core HIE service requirements
- **Disclaimers**
- **Dates**
- **Instructions**
- **Terms & Conditions**
- **Reference Documents**
- **RFI Application**

Goals & Objectives

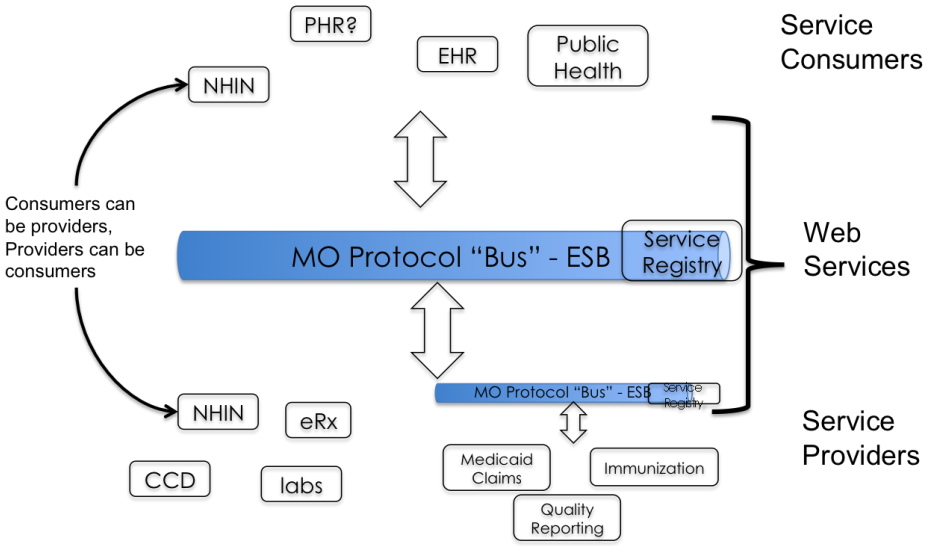
- **Broad objectives:**
  - Support providers' ability to satisfy Meaningful Use criteria (step wise through all stages)
  - Lay the basis for robust exchange of clinical information among stakeholders to improve patient care
  - Ensure the capability to enable connectivity with an NHIN gateway or NHIN direct
- **RFI goals & objectives:**
  - Obtain market information on functional capabilities and component pricing to inform technical approach and financing model
- ***The RFI is independent of any future RFP and will not affect a respondent's ability to respond or the evaluation of a future response***

Goals & Objectives

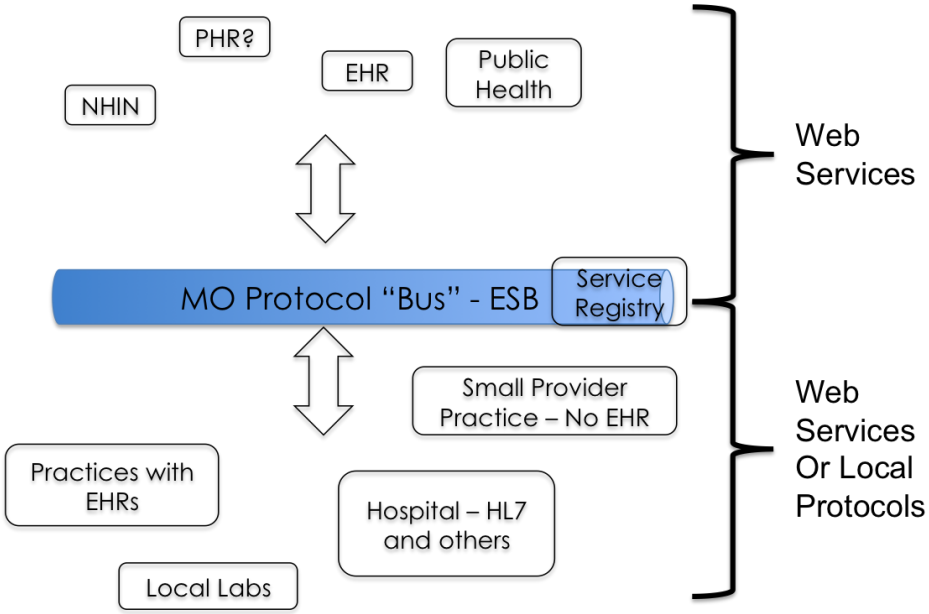
- **Network architecture overview**
  1. Statewide HIO as a "nexus of hubs," capable of
     - Routing messages among all providers and to consumers
     - Orchestrating messages according to business rules to achieve meaningful use functions
  2. Statewide HIO as a hub or onramp, facilitating connectivity to the Statewide HIO for providers unaffiliated with an HIO or hub
- **Hubs will communicate using NHIN messaging platform and other market-accepted HIE protocols as they become available**
- **Network will be built using service oriented architecture (SOA) principles and will incorporate web service components**

Network Architecture Overview (continued)

Statewide HIO as a Nexus of Hubs (#1)



Onramp to the Statewide HIO (#2)



Clinical Functional Service Requirements - Overview

- **Clinical functional service requirements**
  - Laboratory ordering & results delivery
  - E-prescribing
  - Clinical information exchange
  - Eligibility and authorization unifications
  - Web viewers for providers without EHRs
  - Value-added services (optional)
- **Can respondents provide these functionalities OR offer alternatives?**
- **Services are intended to serve as a foundation for future HIE services (e.g. quality reporting, public health reporting, clinical decision support)**

Clinical Functional Service Requirements - Description

- **Laboratory ordering & results delivery**
  - *Push and pull* lab orders and results to Missouri providers for integration into EHRs
- **E-prescribing**
  - Connectivity to multiple sources of medication history, formulary, and eligibility
  - Ability to accept and send e-prescribing transactions (e.g. via Surescripts or other e-prescribing network)
  - Interface to personal health records (PHRs)
- **Clinical information exchange**
  - Enable key clinical information exchange between EHRs
- **Eligibility and authorization unifications**
  - Single point of connectivity to all payors in Missouri
  - Enable day certain eligibility transactions (including authorization) from a provider to any payors
- **Web viewers for providers without EHRs**
  - EHR alternative viewing capability for all clinical services/functions
- **Value-added services (optional)**
  - Other capabilities that support advanced clinical care models (e.g. radiological image exchange; population-based health management and reporting; end user integration experience; integration with provider workflow)

Core HIE Service Requirements

- **Registries**
  - Patient registry
  - Provider registry
  - Organization registry
  - Consent registry
  - Web services registry (UDDI)
- **Messaging**
  - Web services endpoints and messaging (Service Bus)
  - Integration and message transformation
  - Integrated Healthcare Enterprise (IHE) profile support (PIX Manager, XDS Registry, XDS Repository, etc.)
  - Terminology management (HITSP C83/C80 Support)
  - Message and data validation

Core HIE Service Requirements

- **Security & authorization**
  - Role based access and management
  - Privacy
  - Security
- **Administration & management**
  - System administration
  - System configuration
  - Logging
  - Monitoring
  - Reporting

Disclaimers

- **Pricing information obtained through the RFI will inform MO-HITECH's technical approach and project scope**
  - Requirements for statewide deployment of HIE services are not currently available
- **Respondents may be asked to demonstrate one or more of their proposed solutions if there are outstanding questions**
- **All submissions, questions, and answers related to the RFI will be subject to Missouri's Sunshine Law and will be shared upon request**

RFI Application

- **Instructions**
  - Respondents are asked to indicate collaborations with other organizations
  - Page limit – 30 pages
  - Questions should be sent to George.L.Oestreich@dss.mo.gov
- **MO-HITECH reserves the right to**
  - Copy and share the responses
  - Use ideas or adaptations of ideas in the responses
  - Cancel the RFI
  - Request modifications to a response
  - Modify requirements or specifications
  - Change deadlines
- **Reference Documents**
  - MO-HITECH Strategic Plan
  - MO-HITECH Workgroup Materials

RFI Application

- **Cover letter signed by respondent(s)**
- **Executive summary of proposed solution**
- **Organization information (10 pages or less)**
  - Contact information
  - Organization history
  - Strategic, technical, financial, and operational roadmaps related to the proposed solution
    - 0 – 6 months
    - 6 – 12 months
    - Beyond 12 months
  - Participation in healthcare standards bodies and/or statewide implementation efforts
  - 3rd party contracted relationships

RFI Application – Proposed Solution

- **Summary of proposed solutions**
  - Productions and version(s)
  - Technical architecture description and diagram
  - Required clinical functions and core services
- **Breakdown of proposed solution by core and functional services including:**
  - Technical architectural pattern and approach
  - Time in production
  - CCHIT certification if applicable
  - Supported healthcare standards and healthcare vocabularies
  - NHIN capabilities
  - Relationships to other services/functions
  - Component configurations, extensions, modifications
  - Screenshots
- **Breakdown and description of how proposed solution supports non-functional requirements including:**
  - Software bug tracking
  - Availability
  - Testing
  - Performance
  - Failover
  - Disaster recovery
  - Service level monitoring
  - Pattern for scaling

RFI Application – Implementation Approach, Timing, and Staffing

- **Comprehensive plan to design, develop, and deploy the proposed solution(s)**
  - Tasks, timing, effort, resources, dependencies
- **Project management approach and tools**
- **Change control and risk management processes and tolls**
- **Staffing required to design, develop, deploy, and operate proposed solution(s)**
- **Estimate of providers the solution can *realistically* be deployed to over four years**

For discussion purposes only - Not for distribution

RFI Application – Pricing Information

- **Pricing model with fixed and variable costs for:**
  - All technical services (functional, core, and non-functional)
  - Implementation
- **Prototype costing model parameters and scalability**
  - How does the pricing model change with the addition of other HIOs and providers?
- **Prototype information**
  - Institutional connections (Nodes):
    - Missouri State enterprise service bus (ESB)
    - One hospital system
    - One regional HIO
    - One physician group
  - Direct connections (HIE platform)
    - One critical access hospital using the Statewide HIO
    - Three small practices using the respondent's proposed solution's services

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Question & Answer Session

- Download the RFI
  http://dss.mo.gov/hie/action/index.shtml
- Download the MO-HITECH Strategic Plan
  http://dss.mo.gov/hie/action/index.shtml
- Learn about the MO-HITECH Process
  http://dss.mo.gov/hie/leadership/index.shtml
- View MO-HITECH Workgroup & Advisory Board Calendar http://dss.mo.gov/hie/calendar.shtml
- Check the website for updated FAQs
  http://dss.mo.gov/hie/faq.shtml